

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HSU-HSIANG WU	10/09/2018
WEIXIN DONG	10/09/2018
JIN MA	10/09/2018
CHRISTOPHER GOLLA	10/12/2018
RECEIVING PARTY DATA	
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City:	HOUSTON
State/Country:	TEXAS
Postal Code:	77032-3219
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16644137
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ATTORNEY DOCKET NUMBER:	1560-050502
NAME OF SUBMITTER:	DANIEL MASTERS
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DATE SIGNED:	03/03/2020
Total Attachments: 5	
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ASSIGNMENT

Whereas, We, **Hsu-Hsiang Wu** of **Sugar Land, Texas**, **Weixin Dong** of **Sugar Land, Texas**, **Jin Ma** of **Houston, Texas** and **Christopher Golla** of **Kingwood, Texas** ("ASSIGNORS"), have invented **DETERMINATION ON CASING AND FORMATION PROPERTIES USING ELECTROMAGNETIC MEASUREMENTS**, and

Whereas, **Halliburton Energy Services, Inc.**, a Delaware Corporation having a place of business at 3000 N. Sam Houston Parkway E., Houston, Texas 77032-3219, United States of America (sometimes hereinafter called "ASSIGNEE"), is desirous of acquiring an interest therein,

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, We do hereby ASSIGN, SELL and CONVEY to said **Halliburton Energy Services, Inc.**, its successors and assigns, the entire right, title and interest throughout the world in and to:

1. Said invention in **DETERMINATION ON CASING AND FORMATION PROPERTIES USING ELECTROMAGNETIC MEASUREMENTS**,

2. United States application on said invention, Application No. 62/577,602, filed October 26, 2017, entitled **DETERMINATION ON CASING AND FORMATION PROPERTIES USING ELECTROMAGNETIC MEASUREMENTS**, Halliburton Reference No. 2017-IPM-101754V1 US.

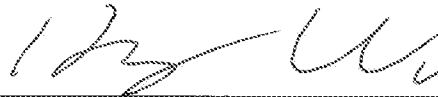
3. Patent Cooperation Treaty international application on said invention, Application No. PCT/US2018/055926, filed October 15, 2018, entitled **DETERMINATION ON CASING AND FORMATION PROPERTIES USING ELECTROMAGNETIC MEASUREMENTS**, Halliburton Reference No. 2017-IPM-101754U1 PCT (The undersigned hereby grant(s) the firm of Tumey L.L.P. of 5177 Richmond Avenue, Suite 1188, Houston, Texas 77056 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document);

3. All applications for patent or like protection on said invention that have now been or may in the future be made by me or my legal representatives, including any continuation, continuation-in-part and any other utility applications that may be based on this invention, whether in the United States of America or in any other country or place anywhere in the world;

4. All patents and like protection that have now been or may in the future be granted on said invention to me or my legal representatives, whether in the United States of America or in any other country or place anywhere in the world;

5. All substitutions for and divisions, continuations, continuations-in-part, renewals, reissues, extensions, and the like of said applications and patents and like grants, including without limitation, those obtained or permissible under past, present and future laws and statutes;
6. All rights of action on account of past, present and future unauthorized use of said invention and for infringement of said patents and like protection;
7. The right in ASSIGNEE to file in its name applications for patents and like protection for said invention in any country or countries foreign to the United States; and
8. All international rights of priority associated with said invention, applications, patents and like protection and we covenant that we, and our heirs, legal representatives, assigns, administrators, and executors, will, at the expense of ASSIGNEE, its successors and assigns, execute all papers and perform such other acts as may be reasonably necessary to give ASSIGNEE, its successors and assigns, the full benefit of this Assignment.

Executed this 9th day of October, 2018


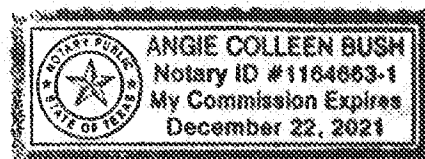


Hsu-Hsiang Wu

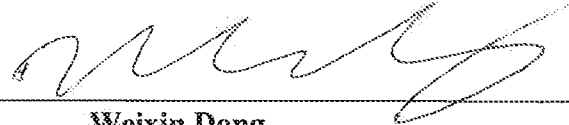
STATE OF TEXAS)
) ss
COUNTY OF HARRIS)

Before me personally appeared said **Hsu-Hsiang Wu** and acknowledged the foregoing instrument to be his free act and deed this 9th day of OCTOBER, 2018.

Seal


(Notary)

Executed this 9th day of October, 2018

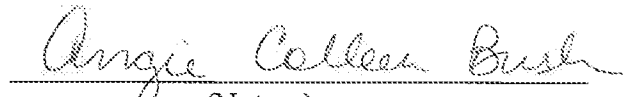


Weixin Dong

STATE OF TEXAS)
) ss
COUNTY OF Harris)

Before me personally appeared said **Weixin Dong** and acknowledged the foregoing instrument to be his free act and deed this 9th day of OCTOBER, 2018.

Seal



(Notary)

